



#### NOTES:

1. PROVIDE PROTECTION FROM ALL VEHICLE TRAFFIC, EQUIPMENT STAGING, AND FOOT TRAFFIC IN PROPOSED INFILTRATION AREAS PRIOR TO, DURING, AND AFTER CONSTRUCTION.
2. DIMENSIONS:
  - A. WIDTH OF PLANTER: 30" MINIMUM.
  - B. PONDING DEPTH (FROM TOP OF GROWING MEDIUM TO OVERFLOW ELEVATION):  
SIMPLIFIED: 4"  
ENGINEERED: 12" MAXIMUM.
  - C. SLOPE OF PLANTER: 0.5% OR LESS.
3. OVERFLOW:
  - A. OVERFLOW REQUIRED (PIPE OR WEIR).
  - B. INLET ELEVATION MUST ALLOW FOR 2" MIN. OF FREEBOARD, 4" MIN. FOR SIMPLIFIED.
  - C. PROTECT PIPE FROM DEBRIS AND SEDIMENT WITH STRAINER OR GRATE, SEE D6-04 MATERIALS.
4. PIPING: SHALL BE CAST IRON, PVC SDR 35 MINIMUM, OR PVC SCHEDULE 40. 3" PIPE REQUIRED FOR UP TO 1,500 SQ FT OF CONTRIBUTING AREA, OTHERWISE 4" MIN. PIPING MUST HAVE 1% GRADE AND FOLLOW THE UNIFORM PLUMBING CODE IF WITHIN 3' OF A STRUCTURE.
5. DRAIN ROCK:
  - A. SIZE PER NDP MATERIALS, CHAPTER D6-04.
  - B. DEPTH OF SIMPLIFIED: 12".
  - C. DEPTH OF ENGINEERED: 0"-48".
  - D. DRAIN ROCK NOT REQUIRED FOR INFILTRATION PLANTERS WITHOUT UNDERDRAINS.
6. SEPARATION BETWEEN DRAIN ROCK AND GROWING MEDIUM: USE GRAVEL LENS ( $\frac{3}{4}$  -  $\frac{1}{4}$  INCH WASHED, CRUSHED ROCK 2 TO 3 INCHES DEEP).
7. GROWING MEDIUM: BIORETENTION SOIL MIX PER NDP MATERIALS, CHAPTER D6-04.
8. VEGETATION:
  - A. PLANT WITH ZONE 1 OR 2 TREES, SHRUBS, AND/OR GROUND COVER. SEE APPENDIX 3 IN THE **LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND** (2005 OR CURRENT) OR **"RAIN GARDEN HANDBOOK FOR HOMEOWNERS"** FOR A PLANT LIST.
  - B. PLANTING SHALL CONSIST OF NATIVE SPECIES ABLE TO TOLERATE VARIABLE SOIL MOISTURE CONDITIONS, PONDING WATER FLUCTUATIONS AND VARIABLE SOIL MOISTURE CONTENT.
9. PLANTER WALLS: MATERIAL SHALL BE STONE, BRICK, CONCRETE, WOOD, OR OTHER DURABLE (NO CHEMICALLY TREATED WOOD).
10. INSTALL WASHED PEA GRAVEL OR 1"-4" STREAMBED COBBLES PER STANDARD SPECIFICATIONS 9-03.11(2) TO TRANSITION FROM INLET OR SPLASH PAD TO GROWING MEDIUM.
11. SEE LAND USE CODE AND D4-07 IN THESE STANDARDS FOR SETBACKS.



City of  
Bellevue

STORM AND SURFACE  
WATER UTILITY

TITLE

BIORETENTION PLANTER -  
INFILTRATION

no. NDP-4A

JANUARY 2011

NO SCALE